

ABOUT THE DEPARTMENT

The Department of Computer Engineering is committed to the cause of growth and advancement of computer related technologies. It is commenced from Academic Year 2019-20 with the aim of acquainting students with the latest trends in Computer Engineering. The Department has faculty members with both industrial and academic experience. Students are also taught a spectrum of programming languages, spanning assembly language programming, advanced technology subjects like Artificial Intelligence, IOT, Software Robotics, CCNA CISCO Networking, AWS Technology etc. along with regular subjects like Python Programming, Java, C++, .Net and operating systems like UNIX and Windows.

The undergraduate program in Computer Engineering is essentially aimed at



HOD's DESK

Welcome to Computer Engineering Department!!!

The field of computer engineering has grown and developed significantly, providing a wide array of technological advancements that many people use every day.

The modern era has witnessed a rapid development in computer technology, both in hardware and software. Each year a host of new advancements is unveiled, from home robotics to advanced operating systems, microprocessors, and supercomputers with massive computational capabilities.

We have well equipped Laboratories with latest and advanced technology Computers and other types of hardware as well as software. The department is also fulfilled with highly experienced and dedicated faculty members.

EDITORIAL BOARD

Chief Editor :

Mr. S. G. Shukla
(HOD- Computer Dept.)

Editor: Mrs. C. D. Patil

(Asst. Prof - Computer

OUR MILESTONES

VISION

To be a center of excellence in computer engineering for developing software professionals, researchers and entrepreneurs benefitting industry and society.

MISSION

GCOERC NASHIK

1. To create state of the art infrastructure and environment to develop software professionals, researchers and entrepreneurs.
2. To enhance collaboration with industries and significant stakeholders for sharing experience and resources.
3. To foster use of information and communication technology in academics, research and management for the benefit of society.

PEOs of the Department

PEO-1(Core): To empower the knowledge in the field of computer engineering and usage of modern tools effectively to solve real life problems.

PEO-2 (Skill): The graduate will have industry based technical skills and will accord to the profession and employability.

PEO-3(Professionalism): The graduate will bring the highest quality and integrity into the education system with research attitude and life-long learning.

PSO's of the Department

1. Professional Skills-The ability to understand, analyze and develop computer pro- grams in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexities.

2. Problem-Solving Skills- The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.

3. Successful Career and Entrepreneurship- The ability to employ modern computer languages, environments and platforms in creating innovative career paths to be an entrepreneur and to have a zest for higher studies.

PO's

Engineering Graduates will be able to:

PO1: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

PO6: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Expert Talk

Expert Talk on Career Opportunities in Cyber Intelligence



This expert talk mainly focused on various job Opportunities in Cyber Security Domain for students along with many real time case studies of Cyber terrorism were also discussed whose demo is shown online by Mr. Tanmay Dixit. He also urged students to avoid excessive use of Social media and Gaming. This lecture was very beneficial for students

Date of Conduction: : 22/08/ 2022
Students: SE,TE Students

Experts: Mr. Tanmay Dixit(Forensic expert ,Cyber Snaskar,Nashik)

Expert Talk on Road Safety awareness



This expert talk mainly focused on traffic rules and regulations to be followed while driving. Mr. Karode also shown some video clips of accident cases and given statistics of road accidents in India as well as Nashik City and requested all the students to follow all traffic rules while driving on road.

Date of Conduction: :23/08/ 2022
Students: Second Year and Third Year

Experts: Mr.Shrikant karode (Fellow Member CSI)

Expert Talk on Logical and Lateral Thinking



This Expert talk mainly focused on how to analyse any problem and provide best solution by thinking logically.

Date of Conduction:30/08/ 2022
Students: BE Computer
Experts: Mr.Shrikant karode (Fellow Member CSI)

Expert Talk

How to face interviews



The expert talk mainly focused on tools and techniques to be used while facing interviews.

Date of Conduction: 21/09/2022

Students: BE Students

Experts: Ms. Anita Vyas (Life Coach, Global Operational Head, Positive Mantra)

Building Right Foundation for Extra Ordinary Career



This seminar basically focused on giving more importance on foundation knowledge of every technical subject. The resource person focused on various techniques of fundamental subjects.

Date of Conduction: : 10/10/2022

Students: Second Year Students

Experts: Mr. Shailesh Parashare (Founder, CEO, Upscaler Trainings, Nashik.)

PHP in Web Development



This expert talk mainly focused on various phases of Website development from requirement gathering, feasibility testing, designing up to development. Uses of PHP its features and impact on Website is also discussed. Various web technologies like HTML, JavaScript, CSS, PHP and their features are also discussed. This lecture was very beneficial for students

Date of Conduction: : 17/10/2022

Students: Second Year Students

Experts: Mr. Nilesh Patil (CEO and Director, NP IT Solutions, Nashik.)

Industrial Visit

Ideas to Impact



An industrial Visit for BE Computer students was organized at Ideas To Impact Pvt Ltd, Nasik . Mr. Arvind Mahapatra introduced about Fintech in India. Mr. Laxmanraj talked about Block chain Technology. Mr.Jaydeep Shah discussed about Smart Grid in Smart Cities.

Date of Conduction: 06/08/2022

Students: BE Computer

Experts: Ideas to Impact Nasik

Sumago InfoTech



Industrial Visit for Third Year Computer Students was organized to let the students get in touch with the industrial environment at Sumago Infotech, Nashik. Mr. Sudhir Gorade from Sumago Infotech introduced the company. Delegates from Sumago Infotech focused on the opportunities in an industry for the students.

Date of Conduction: 03/09/2022

Students: Third Year Computer

Experts Ms.Sonali Gorade(Sumago InfoTech,Nashik)

Industrial Visit

ESDS



Industrial Visit for Third Year Computer Students was organized to explore the knowledge of Datacenter Services to improve IT performance & security incident Detection.

Date of Conduction: 28/09/2022

Students: Second Year and Third Year

Experts: Ms. Sejal Sonawane

Wow Infotech



Industrial Visit held for all SE Computer Students at Wow Infotech exploring knowledge about various areas in IT

Date of Conduction: 25/11/2022

Students: Second Year and Third Year

Experts: Mr. Krishna Handge

Computer Engineering Students' Association

Tree Plantation



Date: 20th August, 2022

Computer Engineering Students' Association organized a "Tree Plantation" activity which was carried out by COSA and Rotaract club of GGSF. During the Tree Plantation Event, about 100 tree saplings were planted near Girnare, Nashik. The students as well as staff planted the saplings.

Teacher's Day Celebration



Date: 5th September, 2022

Computer Engineering Students' Association organized an event on the occasion of "Teacher's Day", 5th September, 2022. The event started at 1 pm. The event was arranged for all Computer & Basic Science Staff Members. It included various activities like Skit, Games and Mimicry. The visible smiles of the staffs during the celebration were captured by COSA. The event ended at 3:00pm.

BappaGraphy



Date: 8th September, 2022

Computer Engineering Students' Association organised a competition "BappaGraphy", an online Photography and video making competition on the occasion of Ganesh Utsav. The participants were asked to upload a high-resolution image of their Ganesh decoration and add some artistic touch to the images or he/she can upload a video of 20-25 secs. The competition started on 31st August, 2022.

The link remained active till 5th September, 2022. The participation was open for all School, diploma and Engineering institute students of GGSF. An exhibition was organised on 8th September. Top 50 photos and 20 Videos were displayed in the exhibition. At 1:30 pm the exhibition was inaugurated by Resp. Dr. N.G Nikam. The exhibition was then made open for all staff and students. The event successfully ended at 5:00pm. Top 3 winners from both the categories (In all 6) were announced on 10th September.

**SEMINAR/WORKSHOP/FDP/CONFERENCE ATTENDED BY
CONFERENCE ATTENDED BY FACULTY**

| Sr. No. | Name of Attendee | Duration | Name of the Program |
|---------|------------------|-------------|---|
| 1 | S.G.Shukla | July-6 Days | FDP on Recent Trends in Computations |
| 2 | P.R.Pachorkar | July-6 Days | FDP on Recent Trends in Computations |
| 3 | P.K. Bachhav | July-6 Days | FDP on Recent Trends in Computations |
| 4 | P.R.Pachorkar | July-1 Day | FDP on Design & Analysis of Algorithm |
| 5 | P.R.Pachorkar | July-5 Days | STTP on Internet of Things |
| 6 | P.R.Kulkarni | July-1 Day | One Day Faculty Orientation Program on Machine Learning |
| 7 | P.R.Kulkarni | July-1 Day | One Day Faculty Orientation Program on Design & Analysis of Algorithm |
| 8 | P.R.Kulkarni | July-6 Days | FDP on Recent Trends in Computations |
| 9 | C.D.Patil | July-1 Day | One Day Faculty Orientation Program on Design & Analysis of Algorithm |
| 10 | V. K. Wani | July-6 Days | FDP on Recent Trends in Computations |
| 11 | V. K. Wani | July-1 Day | FDP on Design & Analysis of Algorithm |
| 12 | V. K. Wani | July-5 Days | STTP on Internet of Things |
| 13 | A. P. Shinde | July-6 Days | FDP on Recent Trends in Computations |
| 14 | A. P. Shinde | July-5 Days | STTP on Internet of Things |
| 15 | A. P. Shinde | July-1 Day | One Day Faculty Orientation Program on Design & Analysis of Algorithm |
| 16 | S.D.Pagar | July-6 Days | FDP on Recent Trends in Computations |
| 17 | S.D.Pagar | July-1 Day | FDP on Design & Analysis of Algorithm |
| 18 | S.D.Pagar | July-5 Days | STTP on Internet of Things |
| 19 | Ms.P.K.Bachhav | Aug-1 Day | FOP on Laboratory Practice-III |
| 20 | P.R.Pachorkar | Aug-1 Day | FDP on Software Testing and Quality Assurance |

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|----|------------------|------------|--|
| 21 | P.R.Kulkarni | Aug-1 Day | FDP on Software Testing and Quality Assurance |
| 22 | P.R.Kulkarni | Aug-1 Day | FOP on Block chain Technology |
| 23 | V. K. Wani | Aug-1 Day | FOP on Block chain Technology |
| 24 | V. K. Wani | Aug-6 Day | STTP on AWS |
| 25 | Mr. S.G.Shukla | Aug-1 Day | FOP on Block chain Technology |
| 26 | Mr. S.G.Shukla | Aug-1 Day | FOP on Laboratory Practice-III |
| 27 | Ms.S.D.Pagar | Aug-1 Day | FDP on Software Testing and Quality Assurance |
| 28 | Ms.S.D.Pagar | Aug-1 Day | FOP on Block chain Technology |
| 29 | Mr.A.R.Jain | Aug-1 Day | FDP on Software Testing and Quality Assurance |
| 30 | S.N.Khalane | Aug-1 Day | One Day Faculty Orientation Program on Software Testing and Quality Assurance |
| 31 | Ms. S. G. Jachak | Oct-5 days | Machine Learning using Python |
| 32 | S.G.Shukla | Nov-5 Days | Data Science: Tools and Research |
| 33 | P.K. Bachhav | Nov-5 Days | Data Science: Tools and Research |
| 34 | A.R.Jain | Nov-5 Days | Data Science: Tools and Research |
| 35 | V. K. Wani | Nov-5 Days | Data Science: Tools and Research |
| 36 | P.R.Kulkarni | Nov-5 Days | Data Science: Tools and Research |
| 37 | P.R.Pachorkar | Nov-5 Days | Data Science: Tools and Research |
| 38 | S.D.Pagar | Dec-5 Days | "Research Insight 2022" |
| 39 | Mrs.R.P.Sali | Dec-6 Days | ISTE Approved one week online FDP on "Recent trends in AI,ML,and Data Science" |
| 40 | S. A. Gade | Dec-6 Days | "Industry 4.0 Technologies and Research Trends" |
| 41 | Ms. S. G. Jachak | Dec-5 Days | Machine Learning |

Student Achievement

| Sr. No. | Name of the Students | Name of Event | Details of the Event |
|----------------|---|--|--|
| 1 | Mr. Abhishek Rajesh Sonar | Web Development Intern (Virtual) | Web Development Intern (Virtual) at Samagra Foundation,Nasik |
| 2 | Ms. Pranjal Patil | Content Development Intern | Intern at Infelearn Bangalore |
| 3 | Ms. Tejaswini Rathod | 34th Junior and Senior Maharashtra state kickboxing championship | Won Gold medal at 34th Kickboxing championship |
| 4 | Tejaswini Rathod | SPPU Zonal Boxing Women's. | Selected for Nationals & also for Mini Olympics. |
| 5 | Kishan Hyalij/Dipesh Mahale/Krrish Shetty/Durga Pakhare | ISC- Indian Science Congress 2023 -108 | Participation in ISC- Indian Science Congress 2023 -108 |
| 6 | Sakshi Patil/Pooja Gupta | ISC- Indian Science Congress 2023 -108 | Best Poster In ISC |
| 7 | Anuja Andhale | SPPU University in Baseball Womens Tournament | Selected for SPPU University in Baseball Womens Tournament |

TOPPERS Academic Year 2021-22

Rank 1

**TE- PATIL PRANJAL VIJAY
PERCENTAGE-9.86**



Rank 2

**TE-YADAV PRIYANKA MAHESH
PERCENTAGE- 9.71**



Rank 3

**TE-TAJANE OMKAR VIKRAM
PERCENTAGE- 9.69**



Rank 1

**SE- SHINDE SIDDHI ANIL
PERCENTAGE-9.25**



Rank 2

**SE- KAMATH NIDHI NAGARAJ
PERCENTAGE-9.2**



Rank 2

**SE- KHANDALE OMPRAKASH
SURENDRA PERCENTAGE-9.2**

